

15

What is claimed is:

1. A delivery system for treating acute or chronic dysfunction of cardiac muscle comprising:

a platelet-rich plasma composition comprising platelet-rich plasma and a pH adjusting agent; and

a catheter for delivery of the platelet-rich plasma composition to dysfunctional cardiac muscle,

wherein the platelet-rich plasma composition does not contain an activator of the platelet-rich plasma.

2. The delivery system of claim 1, wherein the pH adjusting agent provides a pH of about 7.3 to 7.5.

3. The delivery system of claim 1, wherein the pH adjusting agent is a bicarbonate buffer.

4. The delivery system of claim 1, wherein a plasma used for the platelet-rich plasma is from an autologous source.

5. The delivery system of claim 1, further comprising an implantable device.

16

6. The delivery system of claim 5, wherein the implantable device is a stent.

7. A kit for treating acute or chronic dysfunction of cardiac muscle comprising:

a syringe for withdrawing blood from a patient;

a centrifuge device to obtain platelet-rich plasma;

a pH adjusting agent for the platelet-rich plasma to provide a platelet-rich composition having a pH of about 7.3 to 7.5; and

a catheter for delivery of the platelet-rich plasma composition to dysfunctional cardiac muscle,

wherein the kit does not contain an activator of the platelet-rich plasma.

8. The kit of claim 7, wherein the pH adjusting agent is a bicarbonate buffer.

* * * * *